

Antistatic polyurethane hose, heavy duty, microbe resistant, flame-resistant

Application

- flexible hose/ ducting for high volume of abrasive powder, bulk material, granulate and for gases
- plastic industry, conveying of granulates and powders: granulate conveying equipment, vacuum hopper/ conveyor, suction conveyor, dosing system, bulk-bag (big bag)-charging and discharging, shredder, mill, extruder, injection moulding machine
- printed circuit board drilling machines (PCB)
- powder spraying, powder coating: e.g. printing industry
- offset printing machine: air supply, air supply cabinet
- industrial vacuum cleaners, vacuum cleaners
- explosion hazard area
- agricultural industry, conveying of seed and fertilizers: seeding machine, seed drill, drilling machine
- agricultural industry: pneumatic grain conveyer
- construction industry, road milling machine
- raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings
- compressor, side channel blower, vacuum pump, pressure pump, pump
- paper mill, paper and pulp industry, packaging machine: edge strip suctioning system/ edge trim exhaust systems
- surface preparation: shot blasting/ sand blasting recovery (blasting chamber), ship yard, stripping machine, flooring preparation machine, grinding machine
- municipal vehicle: sweeper, sweeping machine

- municipal vehicle: lawn mower, slope mower, leaf blower/ leaf collector
- vacuum lifting equipment, vacuum handling system
- silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging
- silo, silo vehicle/ silo truck, tanker/ tank truck: conveying of wood pellets, plastic granulate, plastic powder

Properties

- heavy duty
- highly abrasion resistant
- increased pressure and vacuum resistance
- microbe resistant
- good resistance to oil, gasoline, and chemicals
- very good low temperature flexibility
- flame-retardant according to: UL94-V2
- permanently antistatic wall: according to ISO 8031 electrical and surface resistance $<10^9 \Omega$ (according to TRGS 727 $<2,5 \cdot 10^8 \Omega \cdot m$ and NFPA 652 $10^8-10^9 \Omega$)
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside),
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases)
- conforms to the safety regulations of the German Wood Trade Association

- according to DIN 26057 Type 3
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

Temperature range

- 40 °F to 195 °F
- short time to 255 °F

Design

- AIRDUC® profile hose
- spring steel wire firmly embedded in wall
- wall: permanently antistatic premium ester-polyurethane (Pre-PUR®)
- wall thickness 0.055 to 0.06 in approx.

Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- special colors: partially colored, completely colored
- customer-specific branding

I.D.	outer Ø	Pressure DIN 26057 (50% Elongation)	Vacuum DIN 26057 (axially fixed)	Bending radius	Weight	Dimensions in Stock	Order No.	Production lengths
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)		(ft)
standard								
- / 13	0.787	72.520 (163.895)	29.530 (29.530)	0.551	0.094	5 10 15	355-0013-0000	-
5/8 / 16	0.906	71.070 (135.612)	29.530 (29.530)	0.591	0.108	5 10 15	355-0016-0000	-
- / 18	0.984	63.890 (121.544)	29.530 (29.530)	0.630	0.114	5 10 15	355-0018-0000	-
- / 20	1.063	68.459 (130.536)	29.530 (29.530)	0.669	0.155	5 10 15 20	355-0020-0000	-
- / 22	1.142	62.802 (119.513)	29.530 (29.530)	0.709	0.168	5 10 15	355-0022-0000	-

Positive and negative pressure ratings are the recommended maximum operating values. Products can be manufactured to meet higher operating values upon request. The bend radius is calculated from the center of the hose in an arched position. Additional information at www.norres.com/us/technology/. NORRES reserves the right to modify technical data at any time. Technical data based on tests at 68 °F and are approx. values. Proper use and maintenance of NORRES hoses is the sole responsibility of purchaser and ultimate user of the product. The individual conditions, applications and the number of variables make firm recommendations technically impossible. This information is intended as a general guide only.



I.D.	outer Ø	Pressure DIN 26057 (50% Elongation)	Vacuum DIN 26057 (axially fixed)	Bending radius	Weight	Dimensions in Stock	Order No.	Production lengths
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)		(ft)
1 / 25	1.260	55.913 (106.024)	29.530 (29.530)	0.787	0.188	5 10 15 20	355-0025-0000	-
- / 30	1.575	58.016 (110.085)	29.530 (29.530)	0.984	0.282	5 10 15	355-0030-0000	-
1,25 / 32	1.654	54.680 (103.704)	29.530 (29.530)	1.024	0.296	5 10 15 20	355-0032-0000	-
1,36 / 35	1.772	50.329 (95.146)	29.530 (29.530)	1.102	0.323	5 10 15	355-0035-0000	-
1,5 / 38	1.890	46.630 (88.039)	29.530 (29.530)	1.142	0.349	5 10 15 20	355-0038-0000	-
- / 40	1.969	44.455 (83.833)	29.530 (29.530)	1.181	0.363	5 10 15 20	355-0040-0000	-
- / 42	2.047	42.134 (80.207)	26.872 (29.530)	1.220	0.376	5 10 15	355-0042-0000	-
1,75 / 44-45	2.165	39.813 (74.841)	27.020 (29.530)	1.299	0.403	5 10 15	355-0045-0000	-
2 / 50-51	2.362	36.042 (67.734)	24.362 (29.530)	1.378	0.444	5 10 15 20 25	355-0050-0000	-
- / 55	2.559	32.924 (61.787)	22.148 (29.530)	1.496	0.484	5 10 15	355-0055-0000	-
2,36 / 60	2.756	30.313 (56.711)	20.228 (29.530)	1.575	0.524	5 10 15 20	355-0060-0000	-
2,5 / 63-65	2.953	28.065 (52.504)	18.752 (29.530)	1.693	0.565	5 10 15 20	355-0065-0000	-
- / 70	3.189	26.107 (48.878)	15.946 (29.530)	2.441	0.659	5 10 15	355-0070-0000	-
3 / 75-76	3.386	24.439 (45.688)	14.913 (29.530)	2.598	0.706	5 10 15	355-0075-0000	-
- / 80	3.583	22.989 (42.932)	14.027 (29.530)	2.717	0.746	5 10 15	355-0080-0000	-
3,5 / 89-90	3.976	20.523 (38.146)	12.403 (25.986)	2.992	0.840	5 10 15	355-0090-0000	-
4 / 100-102	4.370	18.493 (34.520)	11.517 (27.463)	3.268	1.001	5 10 15	355-0100-0000	-
- / 110	4.764	16.825 (31.329)	10.483 (22.738)	3.543	1.095	5 10 15	355-0110-0000	-
4,5 / 114-115	4.961	16.172 (30.023)	10.040 (20.966)	3.701	1.129	5 10 15	355-0115-0000	-
4,72 / 120	5.157	15.519 (28.863)	9.597 (19.195)	3.819	1.190	5 10 15	355-0120-0000	-
5 / 125-127	5.354	14.867 (27.703)	9.302 (17.718)	3.976	1.237	5 10 15	355-0125-0000	-
- / 130	5.551	14.286 (26.687)	8.859 (16.537)	4.094	1.284	5 10 15	355-0130-0000	-
5,5 / 140	5.945	13.344 (24.802)	8.268 (14.174)	4.370	1.364	5 10 15	355-0140-0000	-
6 / 150-152	6.339	12.473 (23.061)	7.973 (15.651)	4.646	1.620	5 10 15	355-0150-0000	-
6,3 / 160	6.732	11.676 (21.756)	7.530 (13.879)	4.921	1.720	5 10 15	355-0160-0000	-
- / 170	7.126	11.023 (20.451)	7.087 (12.107)	5.197	1.828	5 10 15	355-0170-0000	-
- / 175	7.323	10.660 (19.870)	6.792 (11.517)	5.354	1.875	5 10 15	355-0175-0000	-
7 / 178-180	7.520	10.370 (19.290)	6.644 (10.926)	5.472	1.929	5 10 15	355-0180-0000	-
8 / 200-203	8.386	9.355 (17.405)	4.430 (10.631)	6.142	2.097	5 10 15	355-0200-0000	-
- / 225	9.370	8.340 (15.519)	3.839 (8.268)	6.850	2.352	5 10	355-0225-0000	-
- / 250	10.354	7.542 (13.924)	3.544 (6.497)	7.520	2.608	5 10 15	355-0250-0000	-
10 / 254	10.512	7.397 (13.779)	3.396 (6.201)	7.638	2.655	5 10 15	355-0254-0000	-
- / 275	11.339	6.817 (12.618)	3.248 (5.315)	8.228	2.863	5 10	355-0275-0000	-
11 / 280	11.535	6.744 (12.473)	3.101 (5.020)	8.346	2.910	5 10	355-0280-0000	-
- / 300	12.323	6.309 (11.603)	2.658 (5.906)	8.898	3.468	5 10	355-0300-0000	-
12 / 305	12.520	6.164 (11.458)	2.658 (5.611)	9.055	3.528	5 10	355-0305-0000	-
- / 315	12.913	5.947 (11.023)	2.510 (5.020)	9.331	3.636	5 10	355-0315-0000	-
- / 325	13.307	5.802 (10.733)	2.510 (4.725)	9.606	3.750	5 10	355-0325-0000	-
13 / 330	13.504	5.729 (10.588)	2.362 (4.430)	9.724	3.810	5 10	355-0330-0000	-
- / 350	14.291	5.366 (10.008)	2.215 (3.839)	10.276	4.032	5 10	355-0350-0000	-
- / 400	16.260	4.714 (8.702)	2.067 (3.544)	11.654	5.390	5 10	355-0400-0000	-
- / 450	18.228	4.206 (7.832)	1.919 (2.658)	13.031	6.048	5 10	355-0450-0000	-
- / 500	20.236	3.771 (6.962)	1.624 (2.067)	14.449	6.720	5 10	355-0500-0000	-

neutral imprint: <ID> antistatic + microbe resistant <neutral batch no.> / no cutting

1 / 25	1.260	55.913 (106.024)	29.530 (29.530)	0.787	0.188	10	355-0025-0007	-
1,25 / 32	1.654	54.680 (103.704)	29.530 (29.530)	1.024	0.296	10	355-0032-0007	-
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8 / 200-203	8.386	9.355 (17.405)	4.430 (10.631)	6.142	2.097	10	355-0200-0007	-

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Accessories



CONNECT 243



CONNECT 240 + 241
AS



CLAMP 217
AS



CONNECT 270-271



CONNECT THREAD
FITTING 234



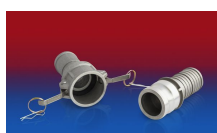
CONNECT SAFETY
CLAMP ASSEMBLY
231



CLAMP 213



CONNECT TANK
TRUCK BRASS 252



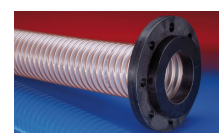
CONNECT KAMLOK
ALU 253



CONNECT PRESS
ASSEMBLY 232



CONNECT 245 VAC-
TRUCK



CONNECT 244



CLAMP 212 EC



CONNECT STORZ
DIN ALU 251



CONNECT 245



CONNECT 228



CONNECT 223



CONNECT MOULD
ASSEMBLY 233



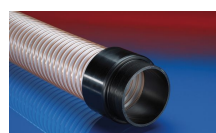
CLAMP 216



CONNECT 246 AS



CLAMP 212



CONNECT 242



CONNECT KARDAN
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